

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/553,273
Source: PC710
Date Processed by STIC: 10/24/05

ENTERED



PCT

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/553,273

DATE: 10/24/2005

TIME: 11:00:06

Input Set : A:\3169us0pSeq.txt
 Output Set: N:\CRF4\10242005\J553273.raw

3 <110> APPLICANT: ITOH, Fumio
 4 HINUMA, Shuji
 5 KANZAKI, Naoyuki
 6 MABUCHI, Hiroshi
 7 YOSHIDA, Hiromi
 8 MATSUMOTO, Hirokazu
 9 WAKABAYASHI, Takeshi
 11 <120> TITLE OF INVENTION: Receptor Antagonist
 13 <130> FILE REFERENCE: 3169US0P
 C--> 15 <140> CURRENT APPLICATION NUMBER: US/10/553,273
 C--> 16 <141> CURRENT FILING DATE: 2005-10-12
 18 <150> PRIOR APPLICATION NUMBER: PCT/JP2004/005406
 19 <151> PRIOR FILING DATE: 2004-04-15
 21 <150> PRIOR APPLICATION NUMBER: JP 2003-114313
 22 <151> PRIOR FILING DATE: 2003-04-18
 24 <160> NUMBER OF SEQ ID NOS: 4
 26 <210> SEQ ID NO: 1
 27 <211> LENGTH: 430
 28 <212> TYPE: PRT
 30 <213> ORGANISM: Human
 32 <400> SEQUENCE: 1
 33 Met Glu Gly Glu Pro Ser Gln Pro Pro Asn Ser Ser Trp Pro Leu Ser
 34 1 5 10 15
 35 Gln Asn Gly Thr Asn Thr Glu Ala Thr Pro Ala Thr Asn Leu Thr Phe
 36 20 25 30
 37 Ser Ser Tyr Tyr Gln His Thr Ser Pro Val Ala Ala Met Phe Ile Val
 38 35 40 45
 39 Ala Tyr Ala Leu Ile Phe Leu Leu Cys Met Val Gly Asn Thr Leu Val
 40 50 55 60
 41 Cys Phe Ile Val Leu Lys Asn Arg His Met His Thr Val Thr Asn Met
 42 65 70 75 80
 43 Phe Ile Leu Asn Leu Ala Val Ser Asp Leu Leu Val Gly Ile Phe Cys
 44 85 90 95
 45 Met Pro Thr Thr Leu Val Asp Asn Leu Ile Thr Gly Trp Pro Phe Asp
 46 100 105 110
 47 Asn Ala Thr Cys Lys Met Ser Gly Leu Val Gln Gly Met Ser Val Ser
 48 115 120 125
 49 Ala Ser Val Phe Thr Leu Val Ala Ile Ala Val Glu Arg Phe Arg Cys
 50 130 135 140
 51 Ile Val His Pro Phe Arg Glu Lys Leu Thr Leu Arg Lys Ala Leu Val
 52 145 150 155 160
 53 Thr Ile Ala Val Ile Trp Ala Leu Ala Leu Leu Ile Met Cys Pro Ser
 54 165 170 175

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55 Ala Val Thr Leu Thr Val Thr Arg Glu Glu His His Phe Met Val Asp
 56 180 185 190
 57 Ala Arg Asn Arg Ser Tyr Pro Leu Tyr Ser Cys Trp Glu Ala Trp Pro
 58 195 200 205
 59 Glu Lys Gly Met Arg Arg Val Tyr Thr Thr Val Leu Phe Ser His Ile
 60 210 215 220
 61 Tyr Leu Ala Pro Leu Ala Leu Ile Val Val Met Tyr Ala Arg Ile Ala
 62 225 230 235 240
 63 Arg Lys Leu Cys Gln Ala Pro Gly Pro Ala Pro Gly Gly Glu Glu Ala
 64 245 250 255
 65 Ala Asp Pro Arg Ala Ser Arg Arg Ala Arg Val Val His Met Leu
 66 260 265 270
 67 Val Met Val Ala Leu Phe Phe Thr Leu Ser Trp Leu Pro Leu Trp Ala
 68 275 280 285
 69 Leu Leu Leu Ile Asp Tyr Gly Gln Leu Ser Ala Pro Gln Leu His
 70 290 295 300
 71 Leu Val Thr Val Tyr Ala Phe Pro Phe Ala His Trp Leu Ala Phe Phe
 72 305 310 315 320
 73 Asn Ser Ser Ala Asn Pro Ile Ile Tyr Gly Tyr Phe Asn Glu Asn Phe
 74 325 330 335
 75 Arg Arg Gly Phe Gln Ala Ala Phe Arg Ala Arg Leu Cys Pro Arg Pro
 76 340 345 350
 77 Ser Gly Ser His Lys Glu Ala Tyr Ser Glu Arg Pro Gly Gly Leu Leu
 78 355 360 365
 79 His Arg Arg Val Phe Val Val Arg Pro Ser Asp Ser Gly Leu Pro
 80 370 375 380
 81 Ser Glu Ser Gly Pro Ser Ser Gly Ala Pro Arg Pro Gly Arg Leu Pro
 82 385 390 395 400
 83 Leu Arg Asn Gly Arg Val Ala His His Gly Leu Pro Arg Glu Gly Pro
 84 405 410 415
 85 Gly Cys Ser His Leu Pro Leu Thr Ile Pro Ala Trp Asp Ile
 86 420 425 430
 87 <210> SEQ ID NO: 2
 88 <211> LENGTH: 432
 89 <212> TYPE: PRT
 90 <213> ORGANISM: Rat
 92 <400> SEQUENCE: 2
 93 Met Glu Ala Glu Pro Ser Gln Pro Pro Asn Gly Ser Trp Pro Leu Gly
 94 5 10 15
 95 Gln Asn Gly Ser Asp Val Glu Thr Ser Met Ala Thr Ser Leu Thr Phe
 96 20 25 30
 97 Ser Ser Tyr Tyr Gln His Ser Ser Pro Val Ala Ala Met Phe Ile Ala
 98 35 40 45
 99 Ala Tyr Val Leu Ile Phe Leu Leu Cys Met Val Gly Asn Thr Leu Val
 100 50 55 60
 101 Cys Phe Ile Val Leu Lys Asn Arg His Met Arg Thr Val Thr Asn Met
 102 65 70 75 80
 103 Phe Ile Leu Asn Leu Ala Val Ser Asp Leu Leu Val Gly Ile Phe Cys
 104 85 90 95

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105 Met Pro Thr Thr Leu Val Asp Asn Leu Ile Thr Gly Trp Pro Phe Asp
 106 100 105 110
 107 Asn Ala Thr Cys Lys Met Ser Gly Leu Val Gln Gly Met Ser Val Ser
 108 115 120 125
 109 Ala Ser Val Phe Thr Leu Val Ala Ile Ala Val Glu Arg Phe Arg Cys
 110 130 135 140
 111 Ile Val His Pro Phe Arg Glu Lys Leu Thr Leu Arg Lys Ala Leu Phe
 112 145 150 155 160
 113 Thr Ile Ala Val Ile Trp Ala Leu Ala Leu Ile Met Cys Pro Ser
 114 165 170 175
 115 Ala Val Thr Leu Thr Val Thr Arg Glu Glu His His Phe Met Leu Asp
 116 180 185 190
 117 Ala Arg Asn Arg Ser Tyr Pro Leu Tyr Ser Cys Trp Glu Ala Trp Pro
 118 195 200 205
 119 Glu Lys Gly Met Arg Lys Val Tyr Thr Ala Val Leu Phe Ala His Ile
 120 210 215 220
 121 Tyr Leu Val Pro Leu Ala Leu Ile Val Val Met Tyr Val Arg Ile Ala
 122 225 230 235 240
 123 Arg Lys Leu Cys Gln Ala Pro Gly Pro Ala Arg Asp Thr Glu Glu Ala
 124 245 250 255
 125 Val Ala Glu Gly Gly Arg Thr Ser Arg Arg Arg Ala Arg Val Val His
 126 260 265 270
 127 Met Leu Val Met Val Ala Leu Phe Phe Thr Leu Ser Trp Leu Pro Leu
 128 275 280 285
 129 Trp Val Leu Leu Leu Ile Asp Tyr Gly Glu Leu Ser Glu Leu Gln
 130 290 295 300
 131 Leu His Leu Leu Ser Val Tyr Ala Phe Pro Leu Ala His Trp Leu Ala
 132 305 310 315 320
 133 Phe Phe His Ser Ser Ala Asn Pro Ile Ile Tyr Gly Tyr Phe Asn Glu
 134 325 330 335
 135 Asn Phe Arg Arg Gly Phe Gln Ala Ala Phe Arg Ala Gln Leu Cys Trp
 136 340 345 350
 137 Pro Pro Trp Ala Ala His Lys Gln Ala Tyr Ser Glu Arg Pro Asn Arg
 138 355 360 365
 139 Leu Leu Arg Arg Arg Val Val Val Asp Val Gln Pro Ser Asp Ser Gly
 140 370 375 380
 141 Leu Pro Ser Glu Ser Gly Pro Ser Ser Gly Val Pro Gly Pro Gly Arg
 142 385 390 395 400
 143 Leu Pro Leu Arg Asn Gly Arg Val Ala His Gln Asp Gly Pro Gly Glu
 144 405 410 415
 145 Gly Pro Gly Cys Asn His Met Pro Leu Thr Ile Pro Ala Trp Asn Ile
 146 420 425 430
 147 <210> SEQ ID NO: 3
 148 <211> LENGTH: 432
 149 <212> TYPE: PRT
 150 <213> ORGANISM: Mouse
 152 <400> SEQUENCE: 3
 153 Met Glu Ala Glu Pro Ser Gln Pro Pro Asn Gly Ser Trp Pro Pro Ser
 154 5 10 15

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155 Leu Asn Glu Ser Asp Ala Glu Thr Ala Pro Val Ala Ser Leu Thr Phe
156 20 25 30
157 Ser Ser Tyr Tyr Gln His Ser Ser Pro Val Ala Ala Met Phe Ile Ala
158 35 40 45
159 Ala Tyr Ala Leu Ile Phe Leu Leu Cys Met Val Gly Asn Thr Leu Val
160 50 55 60
161 Cys Phe Ile Val Leu Lys Asn Arg His Met Arg Thr Val Thr Asn Met
162 65 70 75 80
163 Phe Ile Leu Asn Leu Ala Val Ser Asp Leu Leu Val Gly Ile Phe Cys
164 85 90 95
165 Met Pro Thr Thr Leu Val Asp Asn Leu Ile Thr Gly Trp Pro Phe Asp
166 100 105 110
167 Asn Ala Thr Cys Lys Met Ser Gly Leu Val Gln Gly Met Ser Val Ser
168 115 120 125
169 Ala Ser Val Phe Thr Leu Val Ala Ile Ala Val Glu Arg Phe Arg Cys
170 130 135 140
171 Ile Val His Pro Phe Arg Glu Lys Leu Thr Leu Arg Lys Ala Leu Leu
172 145 150 155 160
173 Thr Ile Ala Val Ile Trp Ala Leu Ala Leu Ile Met Cys Pro Ser
174 165 170 175
175 Ala Val Thr Leu Thr Val Thr Arg Glu Glu His His Phe Met Leu Asp
176 180 185 190
177 Ala Arg Asn Arg Ser Tyr Pro Leu Tyr Ser Cys Trp Glu Ala Trp Pro
178 195 200 205
179 Glu Lys Gly Met Arg Lys Val Tyr Thr Ala Val Leu Phe Ala His Ile
180 210 215 220
181 Tyr Leu Ala Pro Leu Ala Leu Ile Val Val Met Tyr Ala Arg Ile Ala
182 225 230 235 240
183 Arg Lys Leu Cys Gln Ala Pro Gly Pro Ala Arg Asp Ala Glu Glu Ala
184 245 250 255
185 Val Ala Glu Gly Gly Arg Ala Ser Arg Arg Arg Ala Arg Val Val His
186 260 265 270
187 Met Leu Val Met Val Ala Leu Phe Phe Thr Leu Ser Trp Leu Pro Leu
188 275 280 285
189 Trp Val Leu Leu Leu Leu Ile Asp Tyr Gly Glu Leu Ser Glu Leu Gln
190 290 295 300
191 Leu His Leu Leu Ser Val Tyr Ala Phe Pro Leu Ala His Trp Leu Ala
192 305 310 315 320
193 Phe Phe His Ser Ser Ala Asn Pro Ile Ile Tyr Gly Tyr Phe Asn Glu
194 325 330 335
195 Asn Phe Arg Arg Gly Phe Gln Ala Ala Phe Arg Ala Gln Leu Cys Trp
196 340 345 350
197 Leu Pro Trp Ala Ala His Lys Gln Ala Tyr Ser Glu Arg Pro Gly Arg
198 355 360 365
199 Leu Leu Arg Arg Arg Val Val Val Asp Val Gln Pro Ser Asp Ser Gly
200 370 375 380
201 Leu Pro Ser Glu Ser Gly Pro Ser Ser Gly Val Pro Gly Pro Asn Arg
202 385 390 395 400
203 Leu Pro Leu Arg Asn Gly Arg Val Ala His Gln Asp Gly Pro Arg Glu

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204 405 410 415
205 Gly Pro Gly Cys Asn His Met Pro Leu Thr Ile Pro Ala Trp Asn Ile
206 420 425 430
207 <210> SEQ ID NO: 4
208 <211> LENGTH: 180
209 <212> TYPE: PRT
210 <213> ORGANISM: Human
212 <400> SEQUENCE: 4
213 Met Glu Ile Ile Ser Ser Lys Leu Phe Ile Leu Leu Thr Leu Ala Thr
214 1 5 10 15
215 Ser Ser Leu Leu Thr Ser Asn Ile Phe Cys Ala Asp Glu Leu Val Met
216 20 25 30
217 Ser Asn Leu His Ser Lys Glu Asn Tyr Asp Lys Tyr Ser Glu Pro Arg
218 35 40 45
219 Gly Tyr Pro Lys Gly Glu Arg Ser Leu Asn Phe Glu Glu Leu Lys Asp
220 50 55 60
221 Trp Gly Pro Lys Asn Val Ile Lys Met Ser Thr Pro Ala Val Asn Lys
222 65 70 75 80
223 Met Pro His Ser Phe Ala Asn Leu Pro Leu Arg Phe Gly Arg Asn Val
224 85 90 95
225 Gln Glu Glu Arg Ser Ala Gly Ala Thr Ala Asn Leu Pro Leu Arg Ser
226 100 105 110
227 Gly Arg Asn Met Glu Val Ser Leu Val Arg Arg Val Pro Asn Leu Pro
228 115 120 125
229 Gln Arg Phe Gly Arg Thr Thr Ala Lys Ser Val Cys Arg Met Leu
230 130 135 140
231 Ser Asp Leu Cys Gln Gly Ser Met His Ser Pro Cys Ala Asn Asp Leu
232 145 150 155 160
233 Phe Tyr Ser Met Thr Cys Gln His Gln Glu Ile Gln Asn Pro Asp Gln
234 165 170 175
235 Lys Gln Ser Arg
236 180

VERIFICATION SUMMARY

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TIME: 11:00:07

Input Set : A:\3169us0pSeq.txt

Output Set: N:\CRF4\10242005\J553273.raw

L:15 M:270 C: Current Application Number differs, Replaced Application Number

L:16 M:271 C: Current Filing Date differs, Replaced Current Filing Date